

Product sheet: USB485-ILP

Date: February 2014

Rev: 1.1

Low profile panel mount RS485 converter

The USB485-ILP is a RS485 2 wire half duplex converter for through-hole panel mounting.



The USB485-ILP is a 2.5kV isolated converter, intended for use in cabinets to provide easy access to internal RS485 connections through an external USB port, hence enabling easy RS485 connection to a standard PC.

The RS485 side is a 2 wire connection (D+ D- and Gnd) with a 3 pin screw terminal for wires up to 1 mm² (AWG 17).

Connections

Pin 1 D+
Pin 2 Gnd
Pin 3 D-

Comport specs

Baudrates : 300, 600, 1200, 1800, 2400, 4800, 7200, 9600, 14400, 19200, 38400, 57600, 115200, 230400, 460800, 921600 Bps

Databits: 7, 8

Parity: None, even, odd, mark, space

Stopbits: 1, 2

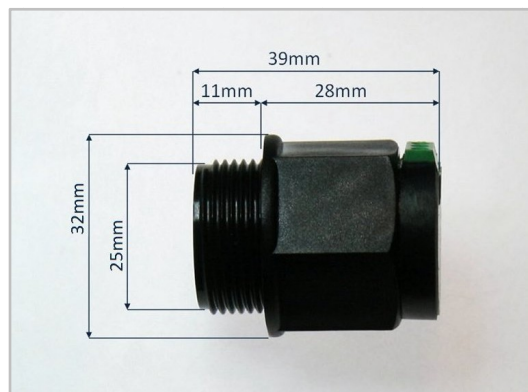
Buffers: 128 bytes Rx and 256 bytes Tx fifo.

- **USB 2.0 full speed device**
- **2500 Volt isolation**
- **±15 kV ESD protection on RS-485 pins**
- **Virtual comport drivers**
- **Win-8, Win-7, Vista and XP compatible**

Hardware details

- Powerful RS485, able to drive 256 nodes
- Connection: Screw terminal – 3.5mm pitch
- Speed : up to 1Mbps
- Isolation voltage: 2.500 Vrms / 1 minute
- ±15 kV ESD protection on RS485 pins
- Power : Powered from the PCs USB port
- Operating temperature : -40 to 85°C

Mechanical details



Recommended panel cut-out : Ø 25 mm
Max panel thickness : 6 mm
Weight 30 gram

Commercial details

- Order : **USB485-ILP**
- Price(2014) : **EUR 70 @1**
EUR 63 @10
EUR 47 @100